

9/29/03 10/19/03 DIC DE DHC PDAC 0328058239

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

3211

APPLICATION TYPE
X Single Well
X Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Devon Energy Production Company, L.P. 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102
Operator Address

Mann 3 Federal 1 L-Sec 3 T18S R27E Eddy
Lease Well No. Unit Letter Section-Township-Range County

OGRID No. 6137 Property Code 23715 API No. 30-015-30410 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Red Lake (Q-GB-SA)		Red Lake Glorieta-Yeso
Pool Code	51300		51120
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2080' - 2777'		3120' - 3376'
Method of Production (Flowing or Artificial Lift)	AI		AI
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	40.5		39.6
Producing, Shut-In or New Zone			
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 12/22/01 Rates: 41-43-456	Date: Rates:	Date: 9/25/01 Rates: 29-37-389
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 62% 53 %	Oil Gas % %	Oil Gas 38% 47 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yesx No
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yesx No

Will commingling decrease the value of production? Yes Nox

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yesx No

NMOCD Reference Case No. applicable to this well: DHC-2890

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE TITLE Operations Technician DATE 9/23/03

TYPE OR PRINT NAME Karen Cottom TELEPHONE NO. (405) 228-7512

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM
87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-30410 Federal Well
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LC-061783-B
7. Lease Name or Unit Agreement Name Mann 3 Federal
8. Well No. 1
9. Pool name or Wildcat Red Lake (Q-GB-SA)

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, L. P.

3. Address of Operator

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Well Location

Unit Letter **L** **2178'** Feet From The **South** Line and **330'** Feet From The **West** Line

Section **3**

Township **18S**

Range **27E**

NMPM

Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3572' GR

Check Appropriate Box To Indicate Nature Of Notice, Report, Or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: Downhole Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103.

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing (51300) Red Lake (Q-GB-SA) perfs 2080' - 2777' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3120' - 3376'). Order No. R-11363 established these as pre-approved pools. The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical. A Sundry Notice Form 3160-5 has been sent to the Bureau of Land Management notifying them of this application.

The proposed allocations are as follows:

51300 - Red Lake (Q-GB-SA) Oil 62% Gas 53%

51120 - Red Lake; Glorieta-Yeso Oil 38% Gas 47%

Current and proposed wellbore schematics are attached along with the allocation method and supporting data

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Karen Cottom

TITLE ENGINEERING TECHNICIAN

DATE January 23, 2002

TYPE OR PRINT NAME

Karen Cottom

TELEPHONE NO. (405) 235-3611

(This space for State use)

Approved by

Conditions of approval, if any:

TITLE

DATE

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

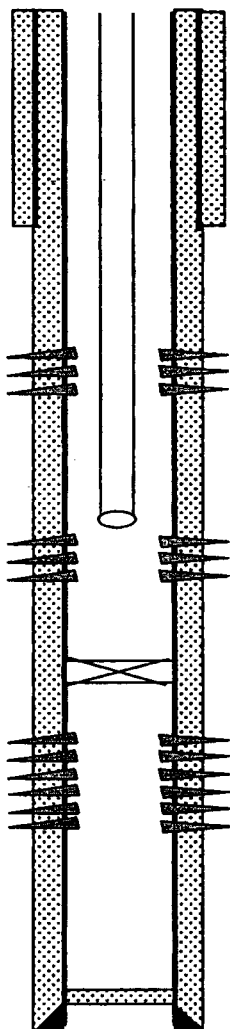
WELL NAME: Mann 3 Federal #1			FIELD: Red Lake (Q-GB-SA)			
LOCATION: Sect 3-T18S-R27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL=3572'			SPUD DATE: 5/29/01		COMP DATE: 11/15/01	
API#: 30-015-30410		PREPARED BY: Karen Cottom			DATE: 01/23/02	
TUBULARS	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0 - 1315'	8 5/8"	24#	J-55		12 1/2"
CASING:	0 - 3625'	5 1/2"	15.5#	J-55		7 7/8"
CASING:						
CASING:						
TUBING:	0 - 2766'	2 7/8"				



CURRENT



PROPOSED



8 5/8" casing set @1,315' cmt Lead w/415 sx tail 200 sx circulated 75sx to pit

Upper San Andres Perforations:
2080' - 2330' (34 holes)

2 7/8" tbg w/SN @2766'

Low San Andres Perforations:
2698' - 2777' (30 holes)

CIBP @ 3035'

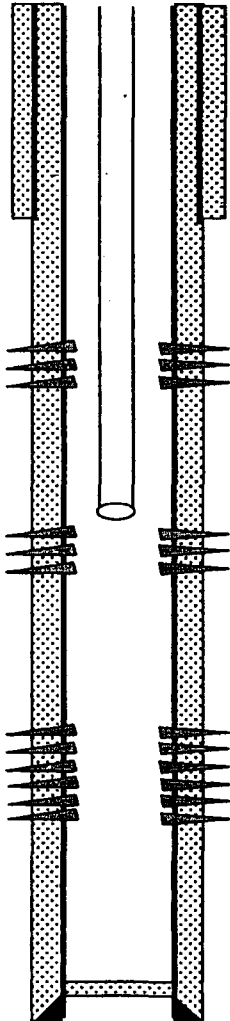
Yeso Perforations:
3120' - 3376' (35 holes)

PBTD @ 3,577'
5 1/2" casing, set @3625' cmt Lead w/170 sx tail w/525 sx circulated 72sx to pit
TD @ 3,630'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

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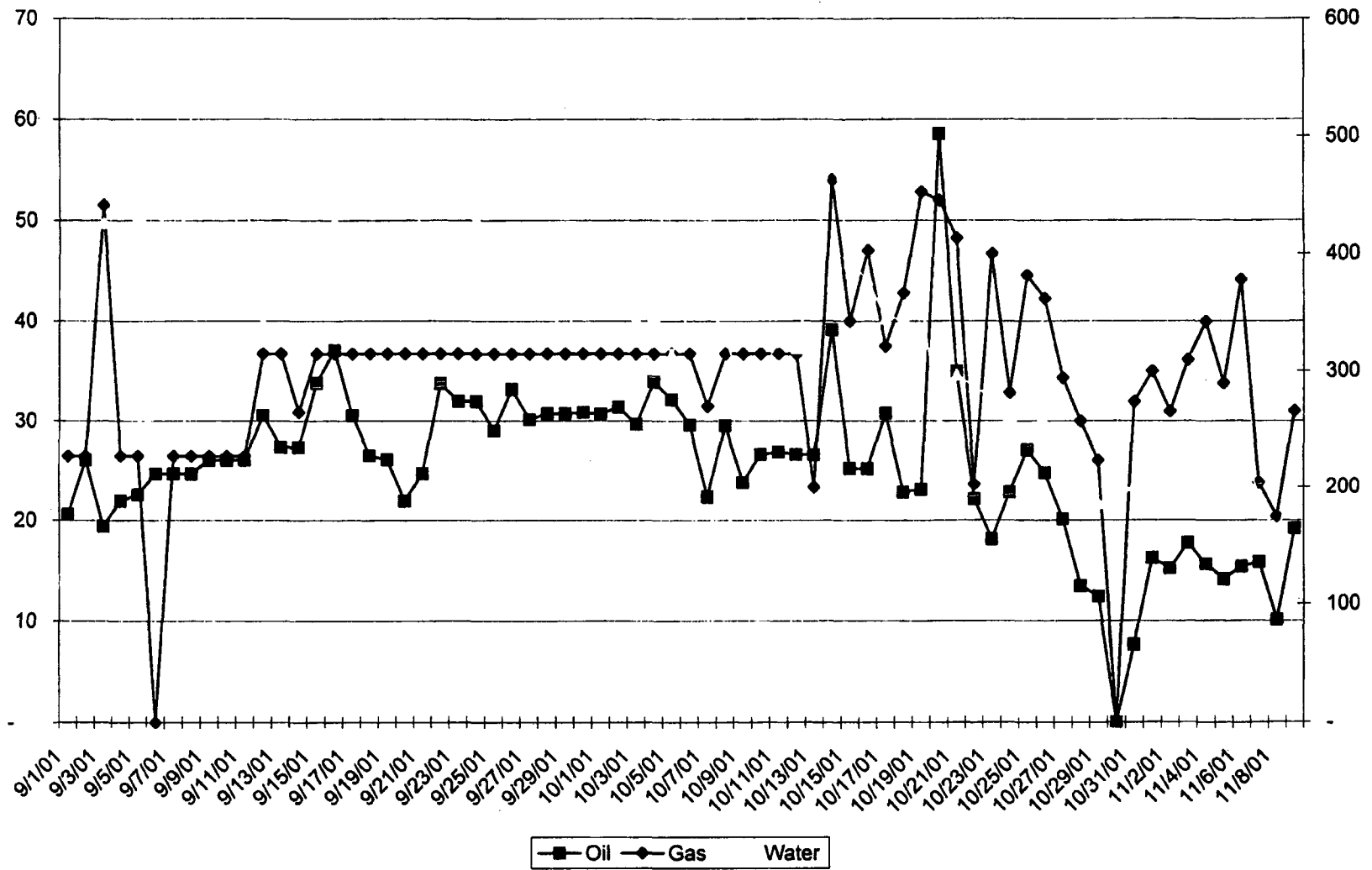
Low San Andres Perforations:
2698' - 2777' (30 holes)

Yeso Perforations:
3120' - 3376' (35 holes)

PBTD @ 3,577'
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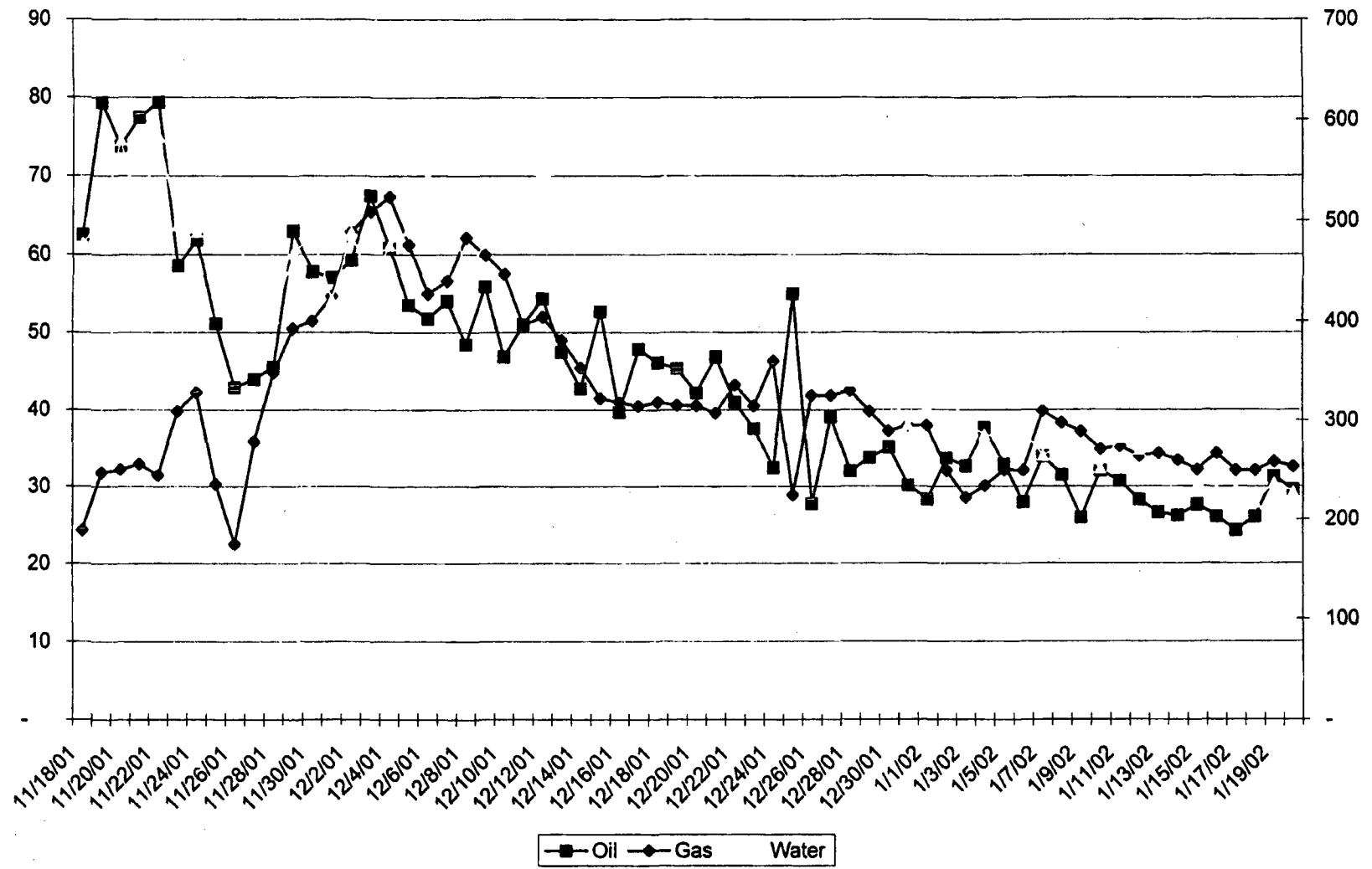
Yeso

Yeso



San Andres

San Andres



Date	OIL	GAS	WTR		Date	OIL	GAS	WTR
9/1/01	21	27	377		11/15/01	3	5	71
9/2/01	26	27	423		11/16/01	-	-	557
9/3/01	19	52	426		11/17/01	-	-	521
9/4/01	22	27	417		11/18/01	63	24	478
9/5/01	23	27	431		11/19/01	79	32	500
9/6/01	25	-	422		11/20/01	74	32	581
9/7/01	25	27	443		11/21/01	77	33	503
9/8/01	25	27	415		11/22/01	79	31	583
9/9/01	26	27	418		11/23/01	59	40	496
9/10/01	26	27	409		11/24/01	62	42	490
9/11/01	26	27	450		11/25/01	51	30	488
9/12/01	31	37	336		11/26/01	43	23	490
9/13/01	27	37	403		11/27/01	44	36	431
9/14/01	27	31	419		11/28/01	46	45	404
9/15/01	34	37	406		11/29/01	63	51	468
9/16/01	37	37	427		11/30/01	58	51	486
9/17/01	31	37	453		12/1/01	57	55	422
9/18/01	27	37	502		12/2/01	59	63	489
9/19/01	26	37	479		12/3/01	68	65	436
9/20/01	22	37	480		12/4/01	61	67	476
9/21/01	25	37	413		12/5/01	54	61	491
9/22/01	34	37	381		12/6/01	52	55	543
9/23/01	32	37	419		12/7/01	54	57	532
9/24/01	32	37	429		12/8/01	48	62	444
9/25/01	29	37	389		12/9/01	56	60	480
9/26/01	33	37	394		12/10/01	47	58	499
9/27/01	30	37	361		12/11/01	51	51	521
9/28/01	31	37	359		12/12/01	54	52	550
9/29/01	31	37	327		12/13/01	48	49	534
9/30/01	31	37	373		12/14/01	43	45	528
10/1/01	31	37	356		12/15/01	53	41	515
10/2/01	31	37	358		12/16/01	40	41	506
10/3/01	30	37	344		12/17/01	48	40	526
10/4/01	34	37	347		12/18/01	46	41	529
10/5/01	32	37	315		12/19/01	45	41	570
10/6/01	30	37	352		12/20/01	42	41	538
10/7/01	22	32	356		12/21/01	47	40	422
10/8/01	30	37	332		12/22/01	41	43	456
10/9/01	24	37	277		12/23/01	38	41	422
10/10/01	27	37	298		12/24/01	32	46	430
10/11/01	27	37	325		12/25/01	55	29	474
10/12/01	27	37	319		12/26/01	28	42	378
10/13/01	27	23	391		12/27/01	39	42	362
10/14/01	39	54	495		12/28/01	32	42	340
10/15/01	25	40	393		12/29/01	34	40	334
10/16/01	25	47	379		12/30/01	35	37	329
10/17/01	31	38	345		12/31/01	30	38	296
10/18/01	23	43	346		1/1/02	28	38	313
10/19/01	23	53	364		1/2/02	34	32	333
10/20/01	59	52	253		1/3/02	33	29	297
10/21/01	35	48	297		1/4/02	38	30	286
10/22/01	22	24	287		1/5/02	33	32	282
10/23/01	18	47	277		1/6/02	28	32	290
10/24/01	23	33	263		1/7/02	34	40	265
10/25/01	27	45	263		1/8/02	31	38	275
10/26/01	25	42	254		1/9/02	26	37	267
10/27/01	20	34	219		1/10/02	32	35	252
10/28/01	13	30	206		1/11/02	31	35	283
10/29/01	12	26	186		1/12/02	28	34	270

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP.

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2178' FSL & 330' FWL, Sect 3, 18S-27E, Unit L

5. Lease Designation and Serial No.

LC-061783-B

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mann 3 Federal #1

9. API Well No.

30-015-30410

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Downhole Commingle
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Devon Energy Production Company, L.P. is applying with the New Mexico Oil Conservation Division to downhole commingle the existing (51300) Red Lake (Q-GB-SA) perfs 2080' - 2777' and with the existing (51120) Red Lake; Glorieta-Yeso, perfs (3120' - 3376'). Order No. R-11363 established these as pre-approved pools. The commingling will not reduce the value of the total remaining production. Ownership in the zones is identical. A Sundry Notice Form 3160-5 has been sent to the Bureau of Land Management notifying them of this application.

The proposed allocations are as follows:

51300 - Red Lake (Q-GB-SA) Oil 62% Gas 53%

51120 - Red Lake; Glorieta-Yeso Oil 38% Gas 47%

Current and proposed wellbore schematics are attached along with the allocation method and supporting data

14. I hereby certify that the foregoing is true and correct

Signed Karen A. Cottom Title Engineering Technician Date January 23, 2002
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations to any matter within its jurisdiction.

*See Instruction on Reverse Side

Date	OIL	GAS	WTR		Date	OIL	GAS	WTR
10/30/01	-	-	192		1/13/02	27	34	249
10/31/01	8	32	201		1/14/02	26	33	244
11/1/01	16	35	198		1/15/02	28	32	234
11/2/01	15	31	211		1/16/02	26	34	228
11/3/01	18	36	212		1/17/02	24	32	230
11/4/01	16	40	222		1/18/02	26	32	218
11/5/01	14	34	223		1/19/02	31	33	237
11/6/01	15	44	238		1/20/02	30	33	228
11/7/01	16	24	192		1/21/02	-	-	-
11/8/01	10	20	154					
11/9/01	19	31	223					
TOTAL YESO	25	35	341	SAN ANDRES		42	39	400
TOTAL COMBINED	67	73	741					
YESO %	38%	47%	46%					
SAN ANDRES %	62%	53%	54%					

OPERATOR'S COPY

devon
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/228-7512
FAX 405/552-4667

January 23, 2002

Certified Mail No. 7001 0320 0003 8815 7265

Bureau of Land Management
2909 West Second Street
Roswell, NM 88201

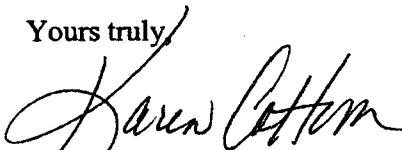
RE: Downhole Commingling
Mann 3 Federal #1
Section 3-18S-27E, Unit L
API #30-015-30410
Red Lake (Q-GB-SA) and
Red Lake (Glorieta-Yeso), fields
Eddy County, NM

Gentlemen:

Concerning the referenced, enclosed please find the Form C-103 Sundry Notice of Intent to downhole commingle and attachments (and five copies).

Please direct inquiries concerning this notice to me at (405) 228-7512.

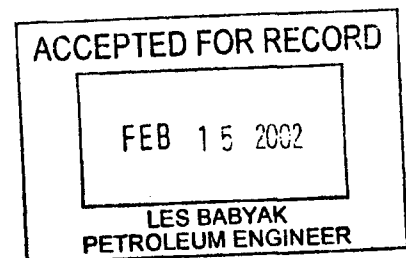
Yours truly,



Karen Cottom
Engineering Tech.
DEVON ENERGY PRODUCTION COMPANY, L.P.

/kac
Enclosures

c: OCD w/Sundry Notice of Intent & attachments. Via Certified Mail (7001 0320 0003 8815 7258)
File



Mann 3 Federal #1

Allocation Formula

Well Name	Producing Formation	*Daily Production Test	% of Total Oil
		30 day average	
Mann 3 Federal #1	(51300)Red Lake (Q-GB-SA)	42 BO/ 39 MCF/ 400 BW	62 %
Mann 3 Federal #1	(51120)Red Lake; Glorieta-Yeso	25 BO/ 35 MCF/ 341 BW	38 %

* From attached production plots

The above production test represents stable production from a San Andres producer and a Yeso producer. We believe these rates of production represent an acceptable means to allocate production. **We have previously received approval for downhole commingling in these fields utilizing a similar allocation method.**